

Participating Organizations

United States Army – Fort Knox, Kentucky – Rep. Brett Guthrie (KY – 02)	
	<i>Energy Resilience Enables Army Readiness. Army installations are readiness and power projection platforms where Soldiers live, train and work. Army Energy programs seek to increase installation energy resilience, allowing installations to withstand potential energy disruptions caused by physical, natural and cyber threats. Fort Knox, KY is one of several installations that proactively tests its energy resilience by disconnecting from the grid. Fort Knox experienced a 10-day power outage in 2009, and since then began working with their utility provider to gain energy independence to support mission requirements during grid disruptions.</i>
DR Johnson Lumber – Riddle, Oregon – E&C GOP Leader Greg Walden (OR – 02)	
	<i>DRJ is committed to providing sustainable manufactured wood products like Cross-Laminated Timber and Glue-Laminated Beams and it is their mission to create a much faster and efficient way of construction. By using the latest technology, DRJ is able to keep up with the high demand for engineered wood and provide customers with high quality product. DRJ Cross-Laminated timber and glu-lam beams are pre-fabricated to exactly fit our customer's needs while allowing greatly decreased construction duration. DRJ uses locally sourced, sustainably harvested timber, leaving a well-managed forest behind.</i>
DTE Biomass Energy – Ann Arbor, Michigan – Rep. Tim Walberg (MI – 07)	
	<i>DTE Biomass Energy is a subsidiary of DTE Energy that develops and operates dairy-based and landfill-based Renewable Natural Gas facilities. Renewable Natural Gas, or RNG, is a natural gas made from renewable sources. While chemically identical to pipeline-quality gas and fully interchangeable with existing natural gas infrastructure, RNG is derived from methane created by the decomposition of organic matter, rather than being extracted from fossil-based resources.</i>
Duke Energy – Charlotte, North Carolina – Rep. Richard Hudson (NC-08)	
	<i>Our commercial business owns and operates diverse power generation assets in North America, including a portfolio of renewable energy assets. We are transforming our customers' experience, modernizing our energy grid, generating cleaner energy and expanding our natural gas infrastructure to create a smarter energy future for our customers.</i>
Green Power EMC – Tucker, Georgia – Rep. Buddy Carter (GA – 01)	
	<i>Green Power EMC (GPEMC) is a not-for-profit corporation in Georgia that secures renewable energy resources such as low-impact hydro, wood waste, landfill gas and solar on behalf of 38 electric cooperatives, ultimately serving electricity to 4.1 million Georgia citizens. Green Power EMC will be accompanied at the showcase event by Oglethorpe Power Corporation (OPC), the wholesale energy provider to electric coops in Georgia. Oglethorpe is one of the largest generation cooperatives in the US, when measured by assets, revenues, KWh sales and consumers served.</i>

Mid-Ohio Energy Cooperative – Kenton, Ohio – Rep. Bob Latta (OH – 05)

Mid-Ohio Energy is an electric distribution cooperative, serving approximately 8,200 meters in parts of 10 north central-Ohio counties (Allen, Auglaize, Crawford, Hancock, Hardin, Logan, Marion, Morrow, Union, and Wyandot). The co-op's showcase will discuss smart grid distribution technology such as: outage management systems, automated metering infrastructure, distribution grid efficiency, cybersecurity, and use of analytics.

MOVA Technologies, Inc. – Pulaski, Virginia – Rep. Morgan Griffith (VA – 09)

MOVA Technologies, Inc. is testing a multi-emissions filtration system which uses solid sorbents to filter gaseous contaminants and particulate matter such as fly ash and Carbon Dioxide from flue gas streams. Adaptable to any industry and application by selecting the appropriate adsorbent. The technology can be applied to a number of industries including energy generation, cargo ships, manufacturing processes, livestock farm air control systems, or direct carbon capture.

NCERC at SIUE – Edwardsville, Illinois – Rep. John Shimkus (IL – 15)

The National Corn-to-Ethanol Research Center at Southern Illinois University Edwardsville (NCERC at SIUE) is a nationally-recognized research center dedicated to the development of biorenewables: biofuels, biochemicals, biomaterials and bioproducts.

NET Power – Durham, North Carolina – Energy & Commerce Republicans

NET Power has developed the world's first emissions-free natural gas power plant. It has been demonstrated at a 50-Megawatt thermal facility in La Porte Texas. NET Power can provide low cost power that is available 24 / 7, with >97% carbon capture. NET Power is a partnership of Exelon, McDermott, 8 Rivers Capital, and Occidental Petroleum, who have invested over >\$150M into the technology. NET Power is pursuing deployment of 300MWe commercial plants with major industrial customers around the world.

Northern Illinois University – DeKalb, Illinois – Rep. Adam Kinzinger (IL – 16)

Professor Tao Xu, Presidential Research Professor at Northern Illinois University, will be presenting his research. Specifically, he will discuss a collaborative effort on tackling fundamental scientific challenges in renewable energy and environmental science (including solar energy and catalysts) by undergraduate and graduate students advised or co-advised by Professor Tao Xu at the Department of Chemistry and Biochemistry at Northern Illinois University.

NuScale Power – Corvallis, Oregon – E&C GOP Leader Greg Walden (OR – 02)

NuScale Power is an Oregon company developing a new modular light water reactor nuclear power plant to supply energy for electrical generation, district heating, desalination, and other process heat applications. This groundbreaking small modular reactor (SMR) design features a fully factory-fabricated NuScale Power Module™ capable of generating 60 MW of electricity using a safer, smaller, and scalable version of pressurized water reactor technology. NuScale's scalable design – a power plant can house up to 12 individual power modules – offers the benefits of carbon-free energy and reduces the financial commitments associated with gigawatt-sized nuclear facilities.

Roeslein Alternative Energy – Saint Louis, Missouri – Rep. Billy Long (MO – 07)

Roeslein Alternative Energy (RAE) is the owner, operator and developer of renewable energy production facilities that convert agricultural and industrial wastes, along with renewable biomass feedstocks to renewable natural gas (RNG) and sustainable co-products. Conservation is a focal point of our company. Our renewable natural gas production process provides numerous ecological services and wildlife benefits. We address air and water quality, soil erosion, and wildlife populations. RAE is committed to improving sustainability in agriculture and energy production.

Shale Crescent USA – Marietta, Ohio – Rep. Bill Johnson (OH – 06)

Shale Crescent USA is a non-profit organization whose mission is to encourage business growth in Ohio, West Virginia and Pennsylvania along the Ohio River Valley. We believe we have a competitive advantage over the rest of the world in attracting manufacturers and high wage manufacturing jobs to the region because of a unique combination of world class assets found only in Shale Crescent USA: 1) Supply – abundant natural gas 2) Demand – proximity to 70% of U.S. polyethylene consumption and half the population of the U.S. and Canada 3) Water for processing and transportation 4) A skilled workforce. To put in perspective the vast amount of natural gas produced in Shale Crescent USA, it is true to say if Ohio, West Virginia, and Pennsylvania were a country it would be the third largest natural gas producing country in the world.

TECO Energy – Tampa, Florida – Rep. Gus Bilirakis (FL – 09)

TECO Energy is a leading energy company located in Tampa, Fla. TECO is a subsidiary of Emera Inc., a geographically diverse energy and services company headquartered in Halifax, Nova Scotia, Canada. The company invests in electricity generation, transmission and distribution, as well as gas transmission and utility energy services with a strategic focus on transformation from high carbon to low carbon energy sources.

Texas A&M University – College Station, Texas – Rep. Bill Flores (TX – 17)

Texas A&M University has recently been awarded a DOE/NuScale project for installation of an advanced Small Modular Reactor simulator. This simulator will create new research opportunities and help ensure that we educate future generations and the public about the important role nuclear power and small modular reactor technology will play in attaining a safe, clean, and secure energy future for our country.

Touchstone Research Lab – Triadelphia, West Virginia – Rep. David McKinley (WV – 01)

Touchstone Research Laboratory is an invention factory that creates new materials and applies new materials to transform industries. At the Showcase, we will be showing coal-based products made from coal and will discuss the first two spin out companies, CFOAM, Ltd. And Touchstone Advanced Composites – two companies doing extraordinary things with coal.

Vistra Energy – Irving, Texas – Rep. Michael Burgess (TX – 26)

Vistra Energy combines an innovative, customer-centric approach to retail with safe, reliable, diverse, and efficient power generation. The company brings its products and services to market in 20 states and the District of Columbia, including six of the seven competitive retail markets in the U.S. and markets in Canada and Japan, as well. Serving nearly 5 million residential, commercial, and industrial retail customers with electricity and gas, Vistra is the largest competitive residential electricity provider in the country and offers over 40 renewable energy plants.



Western Michigan University's Dr. Qingliu Wu and his research on advanced energy storage and conversion systems.

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